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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/809,470	03/25/2004	Steven M. Hansen	AD7006USNA	8340	
23966 7550 E I DU PONT DE NEMOURS AND COMPANY LEGAL PATENT RECORDS CENTER BARLEY MILL PLAZA 25/1122B 4417 LANCASTER PIKE WILMINGTON, DE 19805			EXAM	EXAMINER	
			ZEMEL, IRINA SOPJIA		
			ART UNIT	PAPER NUMBER	
			1796		
			NOTIFICATION DATE	DELIVERY MODE	
			03/19/2008	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-Legal.PRC@usa.dupont.com

Application No. Applicant(s) 10/809 470 HANSEN ET AL. Office Action Summary Examiner Art Unit Irina S. Zemel 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 December 2007. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13 and 30-32 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-13 and 30-32 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/S5/08)
 Paper No(s)/Mail Date ______.

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

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DETAILED ACTION

Claim Rejections - 35 USC § 103

Claims 1-8, 11-13, 30-31 are rejected under 35 U.S.C. 103(a) as obvious over WO 02/0837794 to E. I. DuPont De Nemours, (hereinafter "DuPont").

The rejection stands as per reason of record. It is noted that no amendment have been presented after the Final office action of 8-21-2007.

Claims 9-10 and 32 are rejected under 35 U.S.C. 103(a) as obvious over DuPont in combination with Vercesi.

The rejection stands as per reason of record

Response to Arguments

Applicant's arguments filed 2-19-2007 have been fully considered but they are not persuasive. The applicants presented no new argument at this time. All of the arguments were substantially answered in the Advisory action of 12-14-2007. Specifically, as noted in the referenced Advisory action, applicants, argued that the cited references do not disclose the claimed size fibers. The applicants base their arguments on the selective disclosures of the reference, i.e., the mid point of average dimensions of the fibers disclosed in each of the references. However, the examiner point out once again, that the disclosure of the cited reference is not limited to the average disclosed size, and the references expressly of implicitly disclose other sizes, such as lower limitation of the length, and aspect ratio that correspond to the claimed parameters, and

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also disclose possibility of variations in BET. Specifically, the DuPont reference states that BET higher than 6 m2/g is desired, making the claimed limitations of any higher BET obvious. Thus, comparing average sizes of the claimed fibers with the average size of the disclosed size is not proper as neither the disclosure of the references, not the claimed fibers are limited to any one specific size and define a whole broad range of sizes, including end points and anything in between. In addition, it is noted that the disclosure of the instant application refers to the claimed BET size and other claimed dimension as mere approximation expressly stating on page 4 that "these dimensions are approximation only". The applicants, once again, provided absolutely no evidence of unexpected results that can be attributed to the use of the fibers with the dimensions as claimed as compared to the products using preferred embodiments of the cited references. Thus, the claimed fiber dimensions are still considered to have been obvious from the expressed disclosure of the references although those disclosed dimensions may be non-preferred embodiments disclosed in the references.

In addition, the instant specification also expressly states (also on page 4) that the term "microfibers" is used for microfibers whether ir not they are in the form of slurry. This disclosure is specifically relevant to the applicants arguments that the Vercesi reference combines the fibers during the extrusion process, while the claimed invention uses pulp slurry incorporated into the polymer during the polymer formation. It is noted that not only incorporation of a given filler before or during the polymer formation is notoriously known in the art of thermoplastic polymer with known and expected results (one of which is better filler distribution in the polymer), The process, the claims as

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presented are drawn to a product, not a process. The referenced process steps are only relevant to the claimed product recited in a "product-by-process" format only to the extent that the product obtained by such process would have been patentable distinct (or different in a non-obvious way) from the disclosed product. Although is further noted that the claimed process steps appears to be the preferred embodiment as disclosed by the instant specification, there is absolutely no evidence on the record that incorporation of a fiber slurry during the polymerization step results in an unobvious product or unobvious properties. As noted above - better dispersion of the filler is a completely expected result.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Irina S. Zemel whose telephone number is (571)272-0577. The examiner can normally be reached on Monday-Friday 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571)272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ Irina S. Zemel/ Primary Examiner, Art Unit 1796 /I.Zemel/ Irina S. Zemel Primary Examiner Art Unit 1796

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